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Applicable as of July 01/2003 LOMA 065-005-005

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

4647-A1PCUS

U.S. APPLICATION NO. If known, see 7 CFR 1.5)

107544268

INTERNATIONAL APPLICATION NO.
PCT/US04/02929INTERNATIONAL FILING DATE
02 FEBRUARY 2004PRIORITY DATE CLAIMED
31 JANUARY 2003

TITLE OF INVENTION

PREPARATION OF METAL CHALCOGENIDES FROM REACTIONS OF METAL COMPOUNDS AND CHALC

APPLICANT(S) FOR DO/EO/US

SEO, DONG-KYUN; TANCU, NORA; WU, LIMING

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.
2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 107544266	INTERNATIONAL APPLICATION NO. PCT/US04/02929	ATTORNEY'S DOCKET NUMBER 4647-A1PCUS
20. Other items or information:		
CERTIFICATE OF EXPRESS MAILING		
The following fees have been submitted		
21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300		
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))		
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0		
All other situations..... \$200		
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b))		
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0		
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100		
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400		
All other situations..... \$500		
TOTAL OF 21, 22 and 23 =		
\$ 600.00		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)
- 100 =	/50 =	x \$250
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		
CLAIMS	NUMBER FILED	NUMBER EXTRA
Total claims	- 20 =	x \$ 50
Independent claims	- 3 =	x \$200
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360
TOTAL OF ABOVE CALCULATIONS =		
\$ 730.00		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		
SUBTOTAL =		
\$ 365.00		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		
TOTAL NATIONAL FEE =		
\$ 365.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		
TOTAL FEES ENCLOSED =		
\$ 365.00		
Amount to be refunded:		
Amount to be charged		

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- a. A check in the amount of \$ 365.00 to cover the above fees is enclosed.
- b. Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed.
- d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

ROBERT A. PARSONS, CN 29370
4000 NORTH CENTRAL AVENUE
SUITE 1220
PHOENIX, ARIZONA 85012

(602) 252-7494
(602) 252-7198



SIGNATURE

ROBERT A. PARSONS

NAME

32,713

REGISTRATION NUMBER

10/544266
JC09 Reg'd PCT/PTO U1 AUG 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): DONG-KYUN SEO)
NORA IANCU)
LIMING WU)
Serial No.:)
Filed: HEREWITH)
Title: PREPARATION OF METAL CHALCOGENIDES)
FROM REACTIONS OF METAL COMPOUNDS)
AND CHALCOGEN)

CERTIFICATE OF EXPRESS MAILING

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

"Express Mail" mailing label number: EV 695025341 US
Date of Deposit: 01 August 2005

Dear Sir:

I hereby certify that the attached Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Submission; Preliminary Amendment eight (8) page(s); Information Disclosure Statement; Declaration and Power of Attorney, unexecuted; Check for appropriate fee; and a Postcard for Return Receipt are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10 addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on 01 August 2005.



Signature

PARSONS & GOLTRY
4000 North Central, Ste 1220
Phoenix, Arizona 85012

(602) 252-7494

01 August 2005

Date

Respectfully submitted,


Robert A. Parsons
Attorney for Applicant
Registration No. 32,713
CN 29370